

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A shrink film comprising a polyethylene film, characterized in that said polyethylene is an ethylene copolymer mixture having a molecular weight distribution in the range 10 to 35, a density of 915 to 940 g/10 min kg/m³, a weight average molecular weight of at least 100000 D and an MFR_{2.16} (190°C) of 0.1 to 0.9 g/10 min kg/m³, which copolymer mixture is produced by a two or more stage copolymerization of ethylene and 2 to 10% mole (relative to ethylene) of a C₃₋₁₂ alpha-olefin comonomer in a series of reactors including at least one slurry loop reactor and at least one gas phase reactor using a heterogeneous Ziegler-Natta catalyst;

wherein the copolymer mixture is bimodal and comprises a lower molecular weight component and a higher molecular weight component; and wherein the lower molecular weight component has an MFR₂ of at least 100 g/10 min and a density of from 945 kg/m³ to 960 kg/m³.

2. (Original) A shrink film as claimed in claim 1 wherein the molecular weight of the copolymer is 150000 to 300000D.

3. (Original) A shrink film as claimed in claim 1 wherein the molecular weight of the copolymer is at least 226,000 D.

4. (Previously presented) A shrink film as claimed in claim 1 wherein the MWD of the copolymer is between 15 and 23.

5. (Canceled).

6. (Previously presented) A shrink film as claimed in claim 1 wherein said copolymer comprises a lower molecular weight component and a higher molecular weight component both formed from an ethylene/butene copolymer.

7. (Canceled).

8. (Previously presented) A shrink film as claimed in claim 1 wherein the MFR₂ of the copolymer is 0.15 to 0.6 g/10min.

9. (Previously presented) A shrink film as claimed in claim 1 wherein the value of a films' dart drop (g)/thickness (μm) is at least 4.5.

10. (Previously presented) A shrink film as claimed in claim 1 wherein said film has a thickness of 20 to 120 μm.

11. (Previously presented) A shrink film as claimed in claim 1 wherein said shrink film is a multilayer film.

12. (Previously presented) A shrink film as claimed in claim 1 wherein said shrink film is unilamellar.

13. (Original) A shrink film as claimed in claim 12 having a thickness of 100 to 200 μm.

14. (Canceled).

15. (Previously presented) A process for wrapping an object comprising applying a shrink film about said object and shrinking said film by the application of heat thereto, characterized in that said film is a shrink film according to claim 1.

16. (Previously presented) An object shrink wrapped with a shrink film according to claim 1.

17. (Currently amended) A polyolefin shrink film as claimed in claim 1 having a Dart drop value (g) /film thickness (μm) of 5 g/ μm or more.

18. (Canceled).

19. (Canceled).

20. (Previously presented) The shrink film of claim 17 wherein Dart drop value (g) /film thickness (μm) is 6 g/ μm or more.